

Degree Requirements Worksheet – EVEN BS/CVEN BS Dual Degree

Student Name: _____

Student#: _____

Faculty Advisor: _____

Required Courses

course no.	course name	credits	course taken	grade	term
<u>Engineering (87 hours)</u>					
EVEN 1000	Intro to Environmental Engineering	1	_____	_____	_____
GEEN 1300	Intro to Engineering Computing	3	_____	_____	_____
CVEN 1317	Introduction to Civil Engineering	1	_____	_____	_____
CVEN 2012	Plane Surveying	2	_____	_____	_____
GEEN 1400	Engineering Projects	3	_____	_____	_____
AREN 1017	Engineering Drawing	2	_____	_____	_____
CHEN 2120	Chem Engr Matl Energy Balances	3	_____	_____	_____
CVEN 2121	Analytical Mechanics 1	3	_____	_____	_____
CVEN 3313	Theoretical Fluid Mechanics	3	_____	_____	_____
CVEN 3414	Fundamentals of Environmental Engr	3	_____	_____	_____
CVEN 3161	Mechanics of Materials 1	3	_____	_____	_____
CVEN 3323	Hydraulic Engineering	3	_____	_____	_____
CVEN 3698	Engineering Geology	3	_____	_____	_____
CVEN 4424	Environmental Organic Chemistry	3	_____	_____	_____
a	Thermodynamics	3	_____	_____	_____
CVEN 3525	Structural Analysis	3	_____	_____	_____
CVEN 3227	Probability, Statistics & Decisions	3	_____	_____	_____
CVEN 3454	Water Chemistry	4	_____	_____	_____
CVEN 4333	Engineering Hydrology	3	_____	_____	_____
b	Heat Transfer	3	_____	_____	_____
CVEN 3246	Introduction to Construction	3	_____	_____	_____
CVEN 3708	Geotechnical Engineering 1	3	_____	_____	_____
CVEN 4039	Senior Seminar	1	_____	_____	_____
CVEN 4444	Environmental Engineering Processes	3	_____	_____	_____
c	Numerical Methods	3	_____	_____	_____
CVEN 3424	Water and Wastewater Treatment	3	_____	_____	_____
CVEN 4423	Water Resources Engineering Design	3	_____	_____	_____
CVEN 4474	Hazard Industrial Waste Management	3	_____	_____	_____
MCEN 4131	Air Pollution Control	3	_____	_____	_____
d	Civil Engineering Required Course	3	_____	_____	_____
CVEN 4147	Engineering Economy & System Design	3	_____	_____	_____
CVEN 4434	Environmental Engineering Design	3	_____	_____	_____
CVEN 4484	Intro to Environmental Microbiology	3	_____	_____	_____
		92	Engineering Total (92)		
<u>Mathematics (16 hours)</u>					
APPM 1350	Calculus 1 for Engineers	4	_____	_____	_____
APPM 1360	Calculus 2 for Engineers	4	_____	_____	_____
APPM 2350	Calculus 3 for Engineers	4	_____	_____	_____
APPM 2360	Intro Diff Eqns with Linear Algebra	4	_____	_____	_____
		16	Mathematics Total (16)		

- a Thermodynamics options: CHEN 3320 Chemical Engineering Thermodynamics, GEEN 3852 Thermodynamics for Engineers, MCEN 3012 Thermodynamics.
- b Heat Transfer options: CHEN 3210 Chemical Engineering Heat Transfer, MCEN 3022 Heat Transfer.
- c Numerical Methods options: APPM 3050 Scientific Computing in MATLAB, MCEN 4030 Computational Methods; also CVEN 5537 Numerical Methods for Civil Engineers, MCEN 5248 Special Topics – Environmental Modeling.
- d Civil Engineering Required Course options: CVEN 3256 Construction Equipment and Methods, CVEN 4545 Structure Design, CVEN 4555 Reinforced Concrete Design.

Required Courses (continued)

course no.	course name	credits	course taken	grade	term
<i>Sciences (17 hours)</i>					
CHEN 1211	General Chemistry	3	_____	_____	_____
CHEM 1221	General Chemistry Laboratory	2	_____	_____	_____
PHYS 1110	General Physics 1	4	_____	_____	_____
PHYS 1120	General Physics 2	4	_____	_____	_____
PHYS 1140	Experimental Physics 2	1	_____	_____	_____
CHEM 4521	Physical Chemistry for Engineers	3	_____	_____	_____
		<input type="text"/>	Sciences Total (17)		

Elective Courses

course no.	course name	credits	course taken	grade	term
<i>Humanities & Social Sciences Electives (18 hours, 6 hours upper division)</i>					
	H&SS (lower or upper division)	_____	_____	_____	_____
	H&SS (lower or upper division)	_____	_____	_____	_____
	H&SS (lower or upper division)	_____	_____	_____	_____
	H&SS (lower or upper division)	_____	_____	_____	_____
d	Required Communication Course	_____	_____	_____	_____
	H&SS (upper division)	_____	_____	_____	_____
		_____	_____	_____	_____
		<input type="text"/>	H&SS Total (18)		

Credit hour Grand Total:

Grade Point Average:

(143)

Preliminary Check:

Date:

Final Check:

Date:

FE Exam:

Date:

d WR TG 3030 Writing on Science and Society, Herbst 3100/3200, or another approved course